
Medication Reference:

Dextrose 50%

Class

Hyperglycemic.

Actions

Elevates blood glucose levels rapidly and provides short term osmotic diuresis.

Indications

- Hypoglycemia.
- Coma of unknown origin.

Protocol Reference

B1, B3, D1, D5



Contraindications

- Intracranial Hemorrhage.
- Known or suspected CVA unless hypoglycemia documented.

Precautions

- Blood glucose measurement is preferred before administration.
- Administer thiamine before 50% Dextrose in cases of suspected thiamine deficiency.

Adverse Reactions

Local venous irritation and extravasation leads to tissue necrosis.

Adult Dosage / Route

25 grams (50 ml) IV push.



Pediatric Dosage / Route

- Newborn, D10W, 5 ml/kg, IV/IO.
- <2 years old, D25, 2 ml/kg, IV/IO.
- >2 years old, D50, 1 ml/kg, IV/IO.

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